

28-JAN-2003 h:\t060328\MO00458\Dgn\000458q05.dgn

SUMMARY OF SIGN QUANTITIES

STATION	INSTL. NO.	CODE	SIGNS - TYPE III REFLECTIVE SHEETING (SQUARE FEET)							POSTS (LINEAR FEET)						
			TYPE 1 (0.08)			TYPE 2 (0.10)			REMOVE SIGN EACH	RESET SIGN EACH	TYPE 7			TYPE 8 **		
			SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET			LENGTH	QUANTITY	LINEAR FEET	GROUND MOUNTED SIGN SUPPORTS REQUIRED	LENGTH	QUANTITY
NB DECEL. LANE																
-15+00	1	R4-5 (48)				48" x 60"	1	20.0								
12+50	2	R8-3a (24)	24" x 24"	1	4.0						12	1	12		12	2
14+24	3	SPCL RDS							1	1						
16+60	4	R8-3a (24)	24" x 24"	1	4.0						12	1	12			
18+19	5	MESSAGE SIGN							1*	1*						
23+00	6	R8-3a (24)	24" x 24"	1	4.0						12	1	12			
28+00	7	R8-3a (24)	24" x 24"	1	4.0						12	1	12			
SB DECEL. LANE																
-15+00	1	R4-5 (48)				48" x 60"	1	20.0								
12+50	2	R8-3a (24)	24" x 24"	1	4.0						12	1	12		12	2
14+00	3	SPCL RDS (TRUCKS)							1	1						
16+20	4	R8-3a (24)	24" x 24"	1	4.0						12	1	12			
17+39	5	SPCL RDS (SS-GAS)							1	1						
19+87	6	MESSAGE SIGN							1*	1*						
24+00	7	R8-3a (24)	24" x 24"	1	4.0						12	1	12			
29+00	8	R8-3a (24)	24" x 24"	1	4.0						12	1	12			
TOTAL		NHS-M000-00(458)			32.0			40	5	5			96.0			48

SPCL RDS = SPECIAL ROADSIDE SIGN

SS = SERVICE SIGN

* SEE NOTES ON SIGNING & MARKING SHEETS FOR SIGN STRUCTURES AT NB STA. 18+19 AND SB STA. 19+87.

GENERAL NOTES

- ALL HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
- SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.
- ALL HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY, UNLESS SPECIFIED OTHERWISE IN THE PLANS.
- 4a. HORIZONTAL CLEARANCE FOR HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMP SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.
- 4b. HORIZONTAL CLEARANCE FOR HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).
- 4c. HORIZONTAL CLEARANCE FOR HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE 6 FEET FROM THE FACE OF THE GUARD RAIL TO THE NEARER EDGE OF THE SIGN(S).
- SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH, 2 INCH X 1/2 INCH X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.
- EACH 42 INCH OR 48 INCH WIDE X 18 INCH OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH X 1/2 INCH X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.
- TYPE 9 POST SHALL BE INSTALLED WITH A BREAK AWAY FOOTING. SEE DETAIL FOR ADDITIONAL INFORMATION ON BREAK AWAY FOOTING DESIGN.
- SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS, REFER TO SIGN ASSEMBLY TYPICAL FRAMING DETAILS.
- TYPE III (ENCAPSULATED LENS) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS UNLESS SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
- TYPE VI (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3a, R1-4a, R5-1 AND R5-1a).
- TYPE VI (WIDE ANGLE PRISMATIC) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE VI (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.
- A 1/2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
- WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL 3/8 INCH DIAMETER HOLES, DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.
- INTERSTATE SHIELDS SHALL CONTAIN THE WORD GEORGIA. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT, BUS, CONN. LOOP, OR SPUR SHALL USE 4 INCH SERIES "P" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.
- FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.
- REFER TO PLAN SHEETS FOR LOCATION OF THE DISTRICT ENGINEERS' OFFICE TO BE SHOWN ON ALL R552-1 (LIMITED ACCESS) SIGNS IN THIS PROJECT, IF ANY.
- CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

PAVEMENT MARKERS (EACH)

LOCATION	REFLECTIVE-RAISED			REFLECTIVE-RECESSED			OPAQUE		JIGGLE BAR		CHANNEL MKR	
	YELLOW	CLEAR	CLEAR/RED	YELLOW	CLEAR	△	WHITE	YELLOW	CLEAR/RED	⬡	⬡	⬡
	TYPE 1	TYPE 2	TYPE 3	TYPE 1	TYPE 2	TYPE 3	TYPE 5	TYPE 6	TYPE 7	TYPE 8	TYPE 9	TYPE 10
NB DECEL. LANE			30									
SB DECEL. LANE			32									
NHS-M000-00(458) TOTAL			62									

RPM NOTES:

- TYPE 1, 2 AND 3 PAVEMENT MARKERS SHALL BE SPACED 80' APART EXCEPT ON INTERSTATE AND CONTROLLED ACCESS ROADS WHERE SPACING SHALL BE 120'. ON HORIZONTAL CURVES WHERE AT LEAST 3 PAVEMENT MARKERS CANNOT BE SEEN SIMULTANEOUSLY, THEY SHALL BE SPACED 40' APART.

SUMMARY OF QUANTITIES

PAVEMENT MARKINGS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M000-00(458)	8	

LOCATION	THERMOPLASTIC					
	TRAFFIC STRIPE				WORDS	
	5 INCH SOLID WHITE	5 INCH SOLID YELLOW	5 INCH SKIP WHITE	10 INCH SOLID WHITE	TYPE 10	
	LF	LF	GLF	LF	EACH	
NB DECEL. LANE	4250		250	20		
SB DECEL. LANE	4250		250	75		
NHS-M000-00(458) TOTAL	8500		500	95		

GENERAL NOTES:

- NO SEPARATE PAYMENT SHALL BE MADE FOR REMOVAL OF PAVEMENT MARKINGS. THESE COSTS SHALL BE INCLUDED IN OVERALL PRICE BID FOR PROJECT.

PERMANENT CHANGEABLE MESSAGE SIGN, PERM., ONE LINE MATRIX, TP1, 18"

LOCATION		EACH
NB DECEL. LANE STA. 18+19		1
SB DECEL. LANE STA. 19+87		1
NHS-M000-00(458) TOTAL		2

AVI SYSTEM-TRUCK WEIGHING STATION

NHS-M000-00(458) NB	LUMP SUM
NHS-M000-00(458) SB	LUMP SUM

DELINEATORS (EACH)								
INCLUDING POST - GA. STD. 9030-C WITH TYPE 1 & TYPE 2								
LOCATION	TYPE 1			TYPE 1A			TYPE 2	
	CLEAR	YELLOW	RED	CLEAR	YELLOW	RED	CLEAR	YELLOW
NB DECEL. LANE							23	
SB DECEL. LANE							23	
NHS-M000-00(458) TOTAL							46	

DELINEATOR GENERAL NOTES:

- DELINEATORS SHALL BE PLACED ALONG THE RIGHT SIDE OF THE THROUGH INTERSTATE ROADWAYS, (2') BEYOND THE OUTSIDE EDGE OF ROADWAY SHOULDER OR THE FACE OF AN UNMOUNTABLE CURB, OR IN THE LINE OF THE GUARDRAIL. AT INTERCHANGES, DELINEATORS SHALL BE LOCATED ALONG THE OUTSIDE OF RAMP CURVES, I.E., ON THE LEFT SIDE FOR RAMP CURVING TO THE RIGHT AND ON THE RIGHT SIDE FOR RAMP CURVING TO THE LEFT. SPACING ON INTERSTATE MAIN LINES SHALL BE 528'. SPACING ON RAMP SHALL BE 100' UNLESS OTHERWISE SHOWN ON THE PLANS.

- INSTALLATION OF DELINEATORS SHALL BE WITHHELD UNTIL THE GRASSING HAS BEEN ACCEPTED BY THE STATE.

- RED DELINEATORS, TYPE 1 OR TYPE 1A, SHALL BE INSTALLED ON EXIT RAMP FACING TOWARD THE RAMP TERMINAL BEGINNING AT THE 'WRONG WAY' (R5-9) SIGNS AND ENDING AT THE RAMP TERMINAL. SPACING SHALL BE 100' UNLESS OTHERWISE SHOWN ON THE PLANS.

- DELINEATOR COLOR SHALL BE THE SAME AS THE EDGE LINE. FOR ADDITIONAL INFORMATION, SEE GA. STD. 9030-C.



DATE	REVISIONS	DATE	REVISIONS

STATE OF GEORGIA
DEPARTMENT
OF
TRANSPORTATION
OFFICE OF MAINTENANCE

GEORGIA
DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

I-75 MONROE COUNTY WEIGH
STATION, DECELERATION LANES